



AMENDMENTS TO THE CLAIMS:

18. (Currently amended) An image display apparatus providing an enhanced impression of an optical perspective, said apparatus comprising:

at least one micro lens array assembly comprising a plurality of convex micro lenses arranged in at least one convex micro lenses matrix to thereby form a lens system; and

for each said at least one micro lens array assembly, a display located relative to said micro lens array assembly to project a two-dimensional image through said micro lens array assembly to be focused on an opposite side thereof as an imaging plane, each said at least one micro lens array assembly configured to create an imaging plane displaying an erecting real image of the two-dimensional image at a same magnification.

wherein said imaging plane provides an enhanced three-dimensional impression of said two-dimensional image by providing an illusion of depth in the displayed real image that is consistent with a three-dimensional object.

19. (Previously presented) The apparatus of claim 18, wherein each said micro lens array assembly comprises a micro convex lens board having two lens array halves, each said lens array half comprising a transparent flat plate with a plurality of convex lenses arranged in a matrix on each flat surface thereof.

20. (Previously presented) The apparatus of claim 19, wherein said enhanced three-dimensional impression is caused by at least one of:

locating said least one micro lens array assembly relative to said display in an inclined

orientation; and

providing a gradual change of curvature of said convex lenses on at least one said flat surface of at least one of said two lens array halves.

21. (Previously presented) The apparatus of claim 20, further comprising a plurality of micro lens array assemblies with a corresponding display, wherein each said micro lens array assembly and its corresponding display separately provides an enhanced three-dimensional impression, thereby providing a composite image having different components of enhanced third-dimensional impressions.

22. (Previously presented) The apparatus of claim 18, wherein said imaging plane is flat.

23. (Previously presented) The apparatus of claim 18, wherein said imaging plane is curved.

24. (Currently amended) A method of providing an enhanced three-dimensional impression of a two-dimensional image, said method comprising:

providing a micro lens array assembly comprising a plurality of convex micro lenses arranged in at least one matrix to thereby form a lens system; and

projecting a two-dimensional image through said micro lens array assembly to be focused on an opposite side as an imaging plane,

wherein said enhanced third-dimensional impression is caused by at least one of:

locating said least one micro lens array assembly relative to said display in an inclined orientation; and

providing a gradual change of curvature of said convex lenses in at least one said matrix of convex micro lenses, and

wherein said micro lens array assembly is configured to create an imaging plane displaying an erecting real image of the two-dimensional image at a same magnification.

25. (New) An image display apparatus, comprising:

a display for displaying a two-dimensional image; and

a micro lens array spaced apart from the display for creating an imaging plane in a space opposite the display, the micro lens array being an upright image optical system having a same magnification, the micro lens array being not parallel to the display.

26. (New) The image display apparatus according to claim 25, wherein the micro lens array includes a plurality of identical convex micro lenses.

27. (New) The image display apparatus according to claim 25, wherein the micro lens array includes a plurality of paired convex lens halves arranged two-dimensionally, and each said paired convex lens halves are coaxial with each other so that a single optical axis is defined by each said paired convex lens halves.

28. (New) The image display apparatus according to claim 25, wherein the micro lens array is flat and the display partly bends relative to the micro lens array.

29. (New) The image display apparatus according to claim 25, wherein the display is positioned within a focal depth of said micro lens array.

30. (New) An image display apparatus comprising:

a display for displaying a two-dimensional image; and

a plurality of micro lens arrays spaced apart from the display such that each said micro lens array extends at a non-right angle with respect to the display and creates an erecting real image of part of the two-dimensional image at a same magnification in a space opposite the display.

31. (New) The image display apparatus according to claim 30, wherein said display has a plurality of sections which correspond to the plurality of micro lens arrays, respectively, and each of the plurality of sections displays different images.

32. (New) The image display apparatus according to claim 30, wherein the display is positioned within a focal depth of each said micro lens array.

33. (New) The image display apparatus according to claim 30, wherein the imaging plane has a flat shape and inclines toward said micro lens array.

34. (New) The image display apparatus according to claim 30, wherein the imaging plane has a curved shape and inclines toward each said micro lens array.

35. (New) The image display apparatus according to claim 32, wherein distances between said plurality of sections of the display and the corresponding plurality of micro lens arrays are equal to each other.